

Appendix table 4-48.

R&D performed abroad by majority-owned foreign affiliates of U.S. parent companies, by region and country: 1982, 1989, and 1994–98

(Millions of current U.S. dollars)

Sector and region/country	1982	1989	1994	1995	1996	1997	1998
Total	3,851	7,922	11,877	12,582	14,039	14,593	14,986
Manufacturing	3,247	6,446	10,053	10,791	12,205	12,505	12,746
Nonmanufacturing	604	1,476	1,824	1,791	1,834	2,088	2,240
Total expenditures by region/country							
Canada	505	975	836	1,068	1,563	1,823	1,771
Europe	2,892	5,475	8,676	9,144	9,662	10,003	10,580
Belgium	223	313	469	292	356	310	326
France	332	521	1,372	1,271	1,315	1,281	1,321
Germany	1,079	1,726	2,849	3,068	3,073	2,940	3,042
Ireland	9	156	396	171	193	320	261
Italy	150	393	365	346	554	569	586
Netherlands	65	367	415	495	547	480	501
Spain	40	58	D	288	327	181	198
Sweden	28	31	72	691	443	405	448
Switzerland	60	59	191	242	190	230	234
United Kingdom	824	1,718	2,158	1,935	2,139	2,843	3,144
Other	82	133	D	345	525	444	519
Asia and Pacific	238	1,272	1,775	1,865	2,076	1,869	1,690
Japan	112	1,000	1,130	1,286	1,333	1,089	1,030
Australia	114	190	230	287	409	369	302
Singapore	D	24	167	63	88	73	63
Other	D	58	248	229	246	338	295
Latin America and other Western Hemisphere	169	155	477	389	546	663	753
Brazil	97	92	238	249	346	437	448
Mexico	30	37	183	58	121	126	191
Other	42	26	56	82	79	100	114
Middle East	11	33	98	97	170	208	157
Israel	11	29	96	97	169	208	157
Other	—	4	2	—	1	—	—
Africa	25	11	15	19	21	26	35
South Africa	23	9	14	17	18	22	30
Other	2	2	1	2	3	4	5

— = Less than \$500,000; D = withheld to avoid disclosing operations of individual companies

NOTES: Data are for majority-owned (more than 50 percent ownership) nonbank foreign affiliates of nonbank U.S. parents; 1998 estimates are preliminary. Data include R&D expenditures conducted by affiliates, whether for themselves or for others under contract; exclude R&D expenditures conducted by others for affiliates under contract. Manufacturing data exclude petroleum manufacturing before 1997.

SOURCE: U.S. Bureau of Economic Analysis, *U.S. Direct Investment Abroad: Operations of U.S. Parent Companies and Their Foreign Affiliates* (Washington, DC, annual series).